

**Claims**

1. A coupling device (9) comprising a first connector part (10) and a second connector part (11), each connector part (11, 10) comprising at least one connecting portion (16a, 16b, 13, 14) for engagement with at least one corresponding connecting portion (16a, 16b, 13, 14) of the other connector part (11, 10), a disengagement means (12) being provided for at least assisting in disengaging the engagement between said connecting portions (13, 14, 16a, 16b) and each connector part (11, 10), the first connector part (10) comprising a resilient member (15) having a projection (15a) for engagement with the disengagement means (12), the device comprising at least two connecting portions (13, 14, 16a, 16b), the disengagement means (12) being connected with the first connector part (10) and comprising engagement means for engagement with corresponding engagement means on the second connector part (11), the second connector part (11) comprising a disk (23) including a through-going hole (26, 27) in connection with each corresponding connecting portion (16a, 16b), the engagement means of the second connector part being provided on the end surface of said disk (23) facing the first connector part, the engagement means of the disengagement means (12) comprising internal threads (18) and the engagement means of the second connector part comprising external threads (21), and wherein the holes (26, 27) in the disk (23) of the second connector part (11) are arranged with a small spacing, and in which the external threads (21) comprise at least one recess (25).
2. A coupling device (9) according to claim 1 wherein the external threads (21) of the engagement means of the second connector part (11) comprises two or more recesses (25).
3. A coupling device (9) according to claim 1 or 2 wherein at least one of the through-going holes (26, 27) is extending into the recess (25).
4. A coupling device (9) according any of the preceding claims wherein the external threads (21) of the engagement means of the second connector part

(11) comprises two or more recesses (25) on the end surface of the disk (23), and at least one of the holes (26, 27) is extending into the recess.

5. A coupling device (9) according to any one of the preceding claims, in which at least some of said connecting portions (16a, 16b, 13, 14) have such an axial extension that the first and the second connector parts (11, 10) are brought into connection with each other before activation of the disengagement means (12).

10. 6. A coupling device (9) according to any one of the preceding claims, in which said disengagement means (12) comprises handle means (22).

15. 7. A coupling device (9) according to any one of the preceding claims, in which the first connector part (10) comprises two male luer lock connecting portions (13, 14) and the second connector part comprises two female luer lock connecting portions (16a, 16b).

20. 8. A probe (3) for an irrigation system, comprising a first connector part (10) or a second connector part (11) of a coupling device (9) according to any one of the claims 1 to 7.

25. 9. A method of disengaging the engagement between a first and a second connector part (10, 11) of a coupling device (9) according to any one of the claims 1 to 7, wherein said disengagement means (12) is activated in such a way that the first and the second connector parts are substantially pulled out of each other.

AMENDED  
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